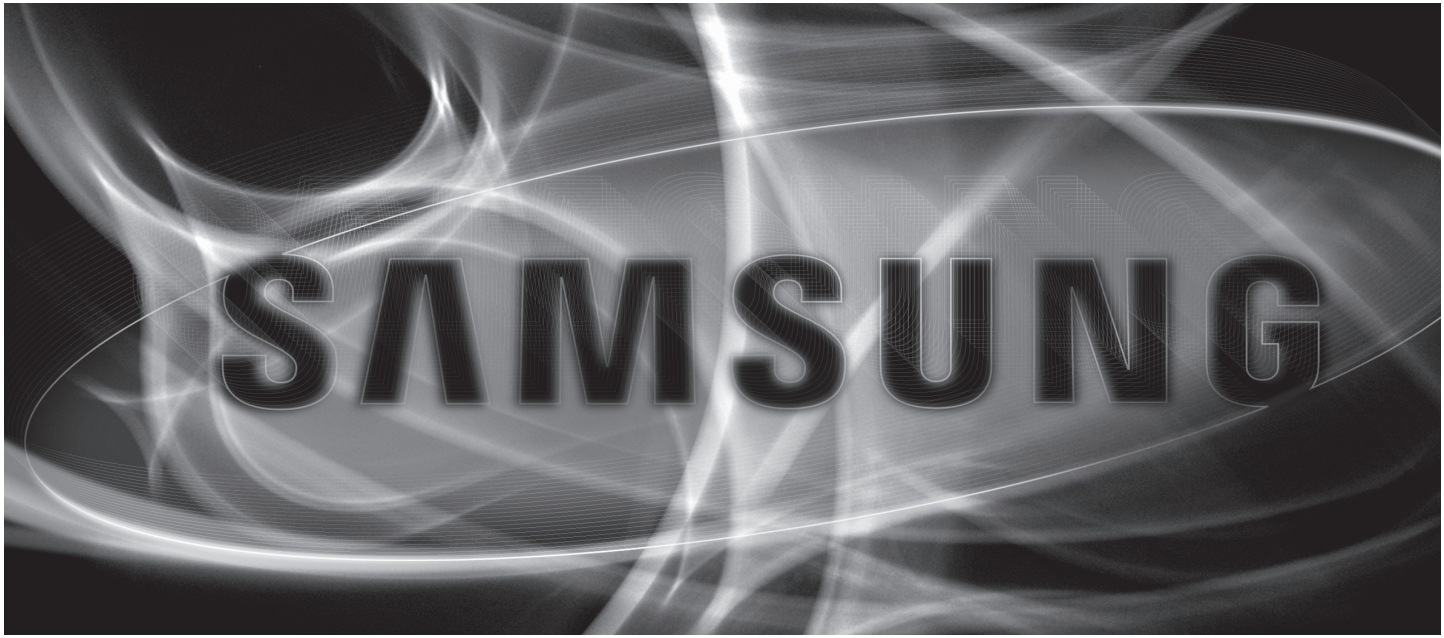
SAMSUNG TECHWIN

BabyVIEW
User Manual

SEW-3036W



English

If you have additional questions or need further assistance, contact Samsung support at (877) 349-3149.
To extend your one year warranty by three months, be sure to go to www.samsungsv.com and register your product.

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BabyVIEW
User Manual

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IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/ accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lighting storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

SPECIFY SERVICE INSTRUCTIONS AND WARRANTY TERMS

FCC Caution :

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions :

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note :

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and monitor.
- Connect the equipment into an outlet on a circuit different from that to which the monitor is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

- STRANGULATION HAZARD - Keep cord out of child's reach. NEVER place camera or cords within 3 feet of crib or playpen. Never use extension cords with AC Adapters. Only use the AC Adapters provided.
- Some adult assembly or installation required.
- This product contains small parts that may cause choking. Keep small parts away from children.
- This product is NOT intended to replace proper supervision of children. You MUST check your child's activity regularly, as this product will not alert parents to silent activities of a child.
- Before using this product, read and follow all instructions contained in this booklet, and read and follow all instructions and warnings on the product.
- NEVER use the transmitter or monitor near water, including near a bathtub, sink, laundry tub, wet basement, etc.
- This product is intended for indoor use only.
- This product is not intended for use as a medical monitor and its use should not replace adult supervision.
- The transmitter detects normal sound levels within a range of 2 to 3 meters (6 to 10 feet) from a child. If the child moves outside of this range, if may not be able to detect sounds from him or her.
- It is essential that you check the operating range and condition of the transmitter monitor on initial installation, and on a regular basis after that.
- Check reception regularly. Test monitor before use and after changing camera location.

The wireless signal transfer range may be shortened if an obstacle such as a concrete wall is in between the camera and monitor.

- To prevent overheating, keep the product and AC power adapters away from any direct sunlight and heat sources such as radiators, heat registers, cooking devices (e.g., stoves and ovens) and other appliances that produce heat (e.g., amplifiers, televisions and stereos).
- Ensure that the product is well ventilated during use. Avoid contact with pillows and furniture that may block ventilation.
- Use only the AC adapters provided with the product, as other adapters may damage the product. Plug the adapters only into standard household current (100~240 volts AC).
  Place the AC adapters avoiding pinch points otherwise you can damage the adapters.
- When an AC adapter is plugged into a power source, DO NOT touch the exposed end of the AC adapter's cord.
- Do not use extension cords with the AC power adapters to avoid entanglement.
- This product should only be serviced by qualified and authorized Samsung service centers.
- Images and sounds are transmitted by the product over public airwaves and transmissions may be picked up by other units.
- Caution if you use the system to watch a young child, do not place the camera where the child can reach.
- When using the system with only battery power and the charge is low, then the picture and or sound may affected.
- If this occurs then please connect the AC power adapter.

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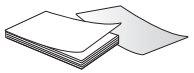
What's Included

Package Contents

The system comes with the following components:

Wireless camera

Wireless monitor



User Manual & Warranty Card

Camera Adapter

Monitor Adapter

Screws (2EA) & Plastic anchors (2EA)

Check your package to confirm that you have received the complete system, including all components shown above.

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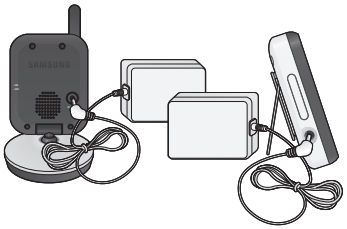
GETTING STARTED

Functional Description

Powering your monitor

After opening the box, fully charge the monitor before use. After initial charge, recharge as needed.



Wireless Camera

The Wireless Camera is supposed to be supplied with power at all times.

Wireless Monitor

You can use the device while charging with connected adapter, and the device is portable if charged.

■ Check if the Power LEDs of wireless camera and wireless monitor are turned on.

Operating the System

The basic operation is as follows:

Pairing

The units already come paired for your convenience. This button is used to add an additional camera. User can select camera number to assign. Up to 4 Cameras may be paired.

1. Power on and turn the switch ON.
   The power LED for the camera and monitor should be ON.
2. Press the [**MENU**] button on the monitor.
3. Select [ ] by pressing [◄] or [►] button.
4. Select camera number by pressing the [▲] or [▼] button. Press [ ] button to confirm.
   A pairing icon comes out and search a camera which sets to pairing mode.
   A count down clock appears at the middle of top icon bar which starts counting from 30 to 0.
5. Press the [**PAIRING**] button on the camera.
6. Within 30 seconds, if the monitor successfully pairs with the camera, the monitor will automatically switch to the camera's current view.

■ After 30 seconds, if no camera registered, it will show "**Out of Range**" icon and user needs to switch back to previous camera number through menu operation.

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Voice activated (VOX)

Select to monitor significant sound with reduced ambient noise. The screen goes off in "**VOX**" mode if there is no significant sound louder than a certain level within 1 minute. Meanwhile, the monitor screen turns on as soon as detecting sound around the camera. In "**VOX**" mode, you can set the sensitivity with [ ] in menu.

- H(High) : Sets to higher sensitivity.
- L(Low) : Sets to lower sensitivity.

Sleep Mode

Press the [**SLEEP**] button to turn off the screen and save battery power. Your monitor will continue to detect sound around the camera. Press any button to turn the screen on again.

Out of Range

If the camera and monitor are not paired or if the monitor is outside of transmission range with the paired camera, the "**Out of Range**" message appears with warning beeps at regular intervals.

Two-way talk

Press the [**TALK**] button while talking to transfer audio to the camera.

Zoom

Press the [ ] button on the monitor to zoom in on the current screen. Press the button again to zoom back out.

Sound level

The louder the sound around the camera, the more LEDs turn on.

Portable monitoring

Slide the belt clip upwards to use the integrated belt clip on the monitor. When not in use, please push the clip back to its original position.

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VIEWING MODE DISPLAY

Indicator Description

How to use the indicator

1 Signal Indicator

The signal indicator shows the strength of the signal being received from the camera.
The number of bars in the signal indicator shows the strength of the signal – One or no bars indicate the signal is poor, and 5 bars indicate a strong signal.

2 Camera Number

Indicates which camera is being displayed on the current screen. Press the [▶] button on the monitor to switch between available cameras. When scan mode is selected, this icon will flash.

3 x2 Zoom mode

Indicates that current screen is Zoomed in. Use the four directional buttons to pan the camera. Press the [OK] button to zoom back out.

4 Night Vision Indicator

Indicates camera night vision mode is turned on.
The screen will appear in Black/White in this mode.

AM 12:36 **5 Digital Clock**

Displays the time that is set on the monitor. It only provides AM / PM time format and no 24hour format.

6 Monitor Speaker Mute

Indicates the monitor speaker is muted. Once the monitor's speaker is muted, no sound from the camera is produced.

VOX **7 VOX On**

Indicates the Power / VOX slide switch position is set at "**VOX**" mode.

8 Battery Capacity Level

Indicates remaining battery charge. Indicated in 4 levels, and one discharge warning.

9 Charging

Indicates the battery is charging by DC input power. If battery nearly empty, it will flash to alert user to charge up the unit.

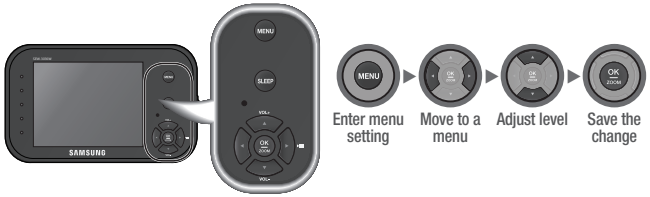
No Signal Warnings

The "**Out of Range**" message means the monitor cannot access the camera.
Please reposition the camera, or check the camera power.

Menu Operation

How to use the setup buttons

Press the [**MENU**] button of the monitor to display the menu screen.
Use [▲/▼/◀/▶] button to traverse the menu, and press [OK] button to apply the changes.



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1. Press [**MENU**] button to enter the menu setting or exit the menu setting.
2. Move to other menu by press [◄] or [►] button.
3. Adjust option level by [▲] or [▼] button.
4. Press [ ] button to save and complete.

■ If no action more than 20sec, it will be time out back to monitor mode with save.

How to use the setup icon

1 Brightness

Adjusts the brightness of the image shown. If you are using multiple camera, you can adjust the brightness of each individual camera.

2 Camera VOX Sensitivity

If not in "**VOX**" mode, "**OFF**" is displayed and not to be selected.
In VOX mode, you can select "**H**" (High) or "**L**" (Low). If set to "**H**", monitor can be triggered by lower audio level than "**L**" setting.

3 Pairing

You can register a wireless camera with the monitor using the registration menu where you can view the video of the selected wireless camera.

4 Zoom

Zoom in on the current image (2x).
If you are using multiple cameras, you can set the zoom for each camera.

5 Camera Select/Scan Mode

Set which camera is being currently viewed. Each time a different camera is selected, the Brightness, VOX Sensitivity Level, Camera Speaker Volume, and Zoom settings will be saved to that specific camera.
If "**SCAN**" mode is selected, each of the registered cameras will be viewed in ascending order at 10 second intervals. If one or more cameras are turned off or out of range, the monitor will show the "**Out of Range**" indicator for the 10 seconds for that particular camera.

6 Set Camera Speaker Volume

Adjust the volume of the speaker on the camera in this menu. The volume can be adjusted from 1 to 5, with 5 being the loudest setting and 1 being the quietest. If "**MUTE**" is selected, no audio will be transmitted to the speaker when the [**TALK**] button is pressed.

7 Time Setting

Set the time shown on the monitor. Use the [◄] or [►] button to select a field. Use the [▲] or [▼] button to change the numbers in the selected field.

8 Reset

Choose <**YES**> to reset the monitor to factory defaults. All settings including time and paring information will be set to the factory defaults.

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OVERVIEW

Getting to know your Monitoring system

Wireless Monitor

After opening the box, fully charge the monitor before use. After initial charge, recharge as needed.

Front Controls

Monitor Antenna
Receives and sends signals from or to the camera.

3.5" LCD Screen
Displays video from the camera.

Sound Level LEDs
Flashes when sound is detected.

Power LED
Indicator turns green when powered.
When battery is charging, this LED will in green color.

MENU Button
Press to access from video monitor mode to menu mode operation. In menu mode, press this button will go back to monitor mode with save from selection.

SLEEP Button
Used to turn on / off the screen by press this button. User can turn on the video again by pressing any buttons.

Microphone
Transmits audio to the camera when [**TALK**] button is pressed down and held like a walkie talkie.

Navigation Controls / OK/ZOOM Button
Use the controls to move and select while in Viewing Mode, Menu Mode and Zoom Mode.

✧ Navigation Controls / OK Button

Viewing Mode: The following controls are used while watching live video from the camera:

- Press the [▲] or [▼] buttons to increase or decrease the volume.
- Press the [►] button to switch to the next connected camera's screen.
- Press the [OK] button to zoom in / out the screen.

Menu Mode: Use the [▲/▼/◄/►] button arrows to navigate in Menu Mode. Press the [OK] button to confirm the menu selection.

Zoom Mode: While in zooming, use [▲/▼/◄/►] button to move the screen around.

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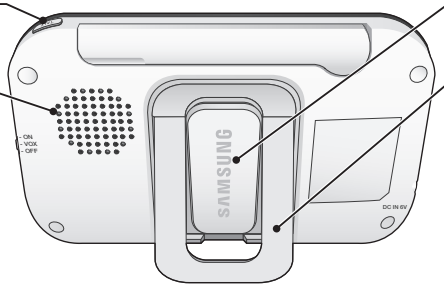
Back Controls

TALK Button
Press down and hold the button to talk back to the camera.

Speaker
Produces the sound transmitted from the camera(s).



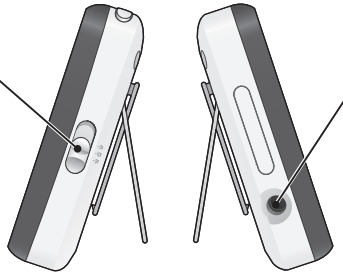
Belt Clip
When you carry the monitor, use the belt hanger to hold the monitor onto your belt.

Kick Stand
Use to hold the monitor onto a table.

■ You must have more than one camera configured on the system when using the functions that requires more than one camera.

Side Controls

Power and VOX ON / OFF Slide Switch
Set this switch to ON or OFF to turn on/off the wireless monitor, and set to VOX to turn on the VOX mode.



DC 6V Power Input
Connect the included AC power adapter to power and/or charge the monitor battery.
(when the monitor is not placed in the optional Charge cradle).

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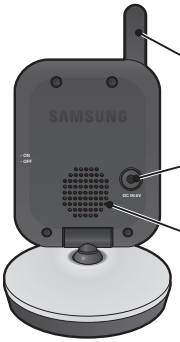
Wireless Camera

Front & Back Controls

IR LEDs
Infrared LED's provide viewing in no / low light conditions.

Microphone
Receives sounds for the area near the camera, and transmits sound from the camera to the monitor.

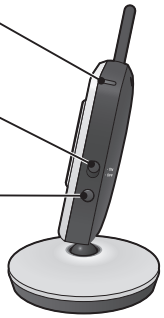


Camera Antenna
Sends & receives signals to or from the monitor.

DC 6V Power Input
Connect the adapter to the camera.

Speaker
Produces the sound transmitted from the monitor.

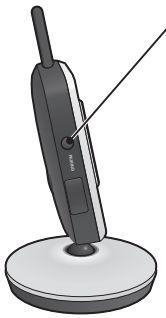
Side Controls



Power LED
LED turns on when powered.

Power Slide Switch
Turns the camera ON or OFF.

Night vision sensor
Detects light levels where the camera is placed.



PAIRING Button
Press this button to pair with a monitor.

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INSTALLATION

How to Install

CAUTION: If you use the system to watch a young child, do not place the camera in the child's reach.

Wireless Monitor

1. Place the monitor in a place that will have clear reception with your camera(s).
2. Pull out the stand.

- Do not pull up the stand lever with an excessive force.

Wireless Camera

Before you install the camera, carefully plan where and how it will be positioned, and where you will route the cable that connects the camera to the power adapter.
Before starting permanent installation, verify its performance by observing the image on the monitor when camera is positioned in the same location/position where it will be permanently installed and the monitor is placed in the location where it will be used most of the time.

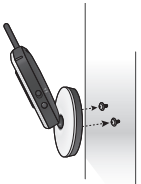
Installation Warnings

Aim the camera(s) to best optimize the viewing area: Select a location for the camera that provides a clear view of the area you want to monitor, which is free from dust, and is not in line-of-sight to a strong light source or direct sunlight.

Avoid installing the camera where there are thick walls or obstructions between the camera and the monitor.

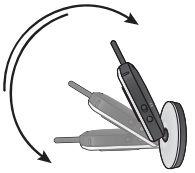
STRANGULATION HAZARD - Keep cord out of child's reach. NEVER place camera or cords within 3 feet of crib or playpen. Never use extension cords with AC Adapters. Only use the AC Adapters provided.

1. **Carefully unpack the camera.**
   If you are installing cameras that did not come with the system, please see the pairing camera section of this manual for details on installation.
2. **Mount the camera to the wall.**
   Mark the position of the screw holes on the wall, and drill holes and insert 2 screws, then firmly attach the camera to the wall by placing the stand over the installed screws and pushing the base downwards.



- To install on a concrete wall, drill a hole and use plastic anchor to fix.
- Use the drilling template to drill holes on the wall for camera installation. (Page 17)
- The camera can also be placed on a flat surface, such as a table or shelf, and no mounting hardware is required.

3. **Adjust the viewing angle of the camera.**



- You can install additional cameras (maximum of 4 cameras).
  When adding cameras that were not included in the original box, you will need to pair up the cameras with the monitor.

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APPENDIX

Specifications

Item	Details
System General	
Operating Frequency Range	2400 MHz~2483.5 MHz
Transmitting Power	17dBm Max
Monitor Sensitivity	-88dBm
Type of Spread Spectrum TX	FHSS
Type of Modulation	GFSK
Data Rate	3Mbps
Transmission range	Outdoor 250 m (Eye of Sight)
Weight	Gross weight: 800g
Wireless Camera	
Image Sensor Type	1/5" Color CMOS Image Sensor
Effective Pixel	H: 640, V: 480
White Balance	Auto
Lens	EFL=3.0mm, F=2.8
Viewing Angle (Diagonal)	56 degree
IR LED Type/ Night Vision	8pcs IR LED – 940nm /5m
Loud Speaker Output	80dBA
Power Requirement	DC 6V ±10%
Power Consumption	480mA Condition Night vision mode and talk back.
VOX level detection	High: 50dBA / Low: 60dBA
Operating Temperature Range	0°C~+40°C

Item	Details
Wireless Camera	
Operating Humidity Range	85% RH
Environment Rating	Indoor use only
Regulation Compliance	FCC/CE
RoHS Compliance	Yes for CE version only
Other Special Feature	Built in Microphone/ Speaker
Weight	122g
Wireless Monitor	
Display Type/Size	Color TFT 3.5"
Resolution (Pixel)	320X240 (RGB)
Viewing Angle	H: 80 degree, V: 100 degree
Number of Camera Support	Up to 4 cameras
Power Requirement	Adapter : DC 6V ±10%, Battery : 3.7V Li-polymer
Loud Speaker Output	80dBA
Loud Speaker Noise level	45dBA
Power Consumption	480mA maximum Condition Charging + Speaker with voice at volume 5
Operating Temperature Range	0°C~+40°C
Operating Humidity Range	85% RH
Environment Rating	Indoor use only
Regulation Compliance	FCC/CE
RoHS Compliance	Yes for CE version only
Other Special Feature	Volume control, Pairing
Battery Type	3.7V Li-polymer
Battery Capacity	1100mAh
Weight	160g

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Troubleshooting

Problem	Solution
No picture from a camera	1. Check all connections to the camera. Make sure the adapter is plugged in. 2. Make sure that the cameras and monitor are both ON. 3. Make sure that the camera is in range of the monitor. 4. Make sure the camera and monitor are paired. 5. Adjust the monitor antenna to vertical position.
The picture is or has become choppy	The picture may become choppy when experiencing a lower frame rate (i.e. 10 frames per second vs. a higher 20 frames per second). 1. Try moving the camera closer to the monitor. 2. Remove obstructions between the monitor and camera. 3. Adjust the monitor antenna to vertical position.
No sounds (even with both units turned on)	1. Make sure that the power adapter is connected to the camera. 2. The battery on the monitor may be dead, be sure to charge it using the adapter included. 3. The monitor may be out of range of the camera; be sure to check if the Range LED in on continuously.
Your BabyView is emitting an high pitched noise/ feedback.	This sound is normal feedback which occurs if the monitor and camera are too close together. Move them further apart.

- Low batteries will cause the supply current to become unstable and will affect the quality of the video/audio. Please charge the battery fully for use for superior video.

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Samsung Techwin cares for the environment at all product manufacturing stages, and is taking measures to provide customers with more environmentally friendly products. The Eco mark represents Samsung Techwin's devotion to creating environmentally friendly products, and indicates that the product satisfies the EU RoHS Directive.

Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems.)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

Correct Disposal of This Product

(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

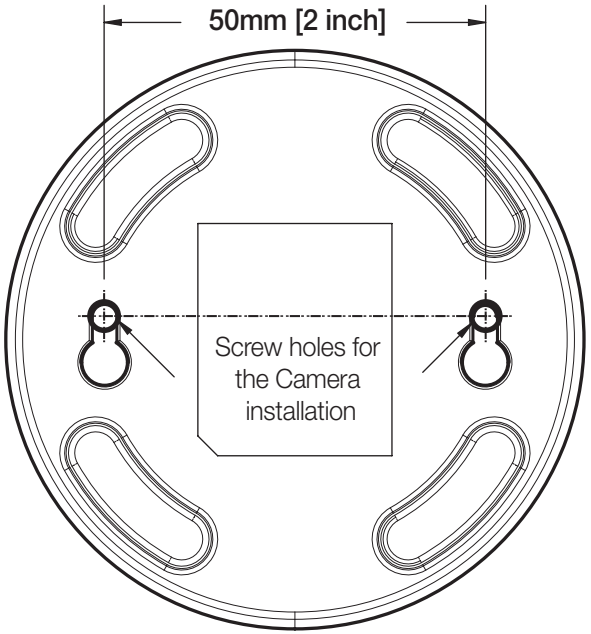
This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

TEMPLATE

This template is used to install the camera on the wall.



SALES NETWORK

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